

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dicran Halajian on October 14, 2010.

The application has been amended as follows:

**Claim 12:**

On line 7: Insert "synchronizing" between "WMTS" and "unit".

On line 13: Insert "synchronizing" between "WMTS" and "unit".

***Allowable Subject Matter***

2. Claims 1-22 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding **claim 1**, Andrade et al 7,627,002 discloses in an Ethernet-related protocol, arranging a cable comprising at least four pairs of twisted wires connected between an Ethernet LAN and a plurality of fixed Access Points (AP) and/or Synchronization Units (SU) in a network. Piercy et al WO 02/49275 discloses a method for synchronizing timing between nodes in a LAN comprising transmitting synchronization signals and power supply.

The instant invention discloses a method for synchronizing a timing of multiple fixed wireless Access Points and/or Synchronization Units in a network communicating under an Ethernet-related protocol, comprising the steps of: (b) assigning a first pair of the at least four pairs of twisted wire to carry a positive D.C. rail voltage to at least one (AP) or (SU), and assigning a second pair of the least four pairs of twisted wire to carry a negative D.C. rail voltage to said at least one (AP) or (SU); (c) providing to at least one pair of the first and second pairs of twisted wires a series of synchronization pulses generated from a synchronization source and capacitively-coupled to the said at least one pair of twisted wires so as to supply a composite signal that includes the series of synchronization pulses and at least one of the positive and negative D.C. voltage rails to a first end of said at least one pair of twisted wires; and (d) reconstructing the generated synchronization pulses by detecting pulses on the positive and negative D.C. voltage rails at a second end of said at least one pair of twisted wires by said at least one (AP) or (SU). The above novel features in combination with other limitations of claim 1 are neither taught, suggested, nor made obvious by Andrade et al, Piercy et al, or any other prior art of reference. Claims 2-11 are allowable by virtue of their dependency on claim 1.

Regarding **claim 12**, Andrade et al 7,627,002 discloses Piercy et al WO 02/49275 discloses synchronizing unit for synchronizing timing between nodes in a LAN comprising transmitting synchronization signals and power supply.

The instant invention discloses a Wireless Medical Telemetry System (WMTS) synchronizing unit for synchronizing the timing of multiple Access Points of a WLAN,

comprising: a receiving unit for receiving an external timing signal; a line receiver having input sockets being adapted for receiving a cable comprising at least four pairs of wires from a master synchronizing unit when the WMTS unit has been designated as a slave unit, wherein two pairs of said at least four pairs of wire contain synchronization pulses from the master synchronizing unit; a power module adapted for receiving a rail voltage from a power hub and for providing predetermined voltage level outputs; a synchronization source unit for generating synchronization pulses when the WMTS unit has been a master synchronizing unit; and a plurality of synchronization pulse injection units for sending synchronization pulses and a rail voltage over a common two pairs of wires, wherein the synchronization pulses are capacitively coupled to the rail voltage on the common two pairs of wires. The above novel features are neither taught, suggested, nor made obvious by Piercy et al, or any other prior art of reference. Claims 13-22 are allowable by virtue of their dependency on claim 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Fisher et al 6,140,911 discloses power transfer apparatus for concurrently transmitting data and power over data wires.

McCormack et al 6,535,983 discloses a system and method for signaling and detecting request for power over Ethernet.

Chang et al 5,991,885 discloses a method and apparatus for detecting the presence of a remote device and providing power thereof.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLUMIDE T. AJIBADE-AKONAI whose telephone number is (571)272-6496. The examiner can normally be reached on M-F, 8.30p-5p.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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